

Amendments to the Claims:

This listing of claims will replace all prior listings of claims in the application.

Listing Of Claims:

Claim 1 (currently amended): A projection device for a motor vehicle, comprising ~~in~~
~~particular~~

a reflector,

a light source producing a set of light signals which can be reflected by the reflector,

an exit lens, comprising an entry surface and an exit surface, for producing a light beam,

and

a shield disposed between the reflector and the exit lens in order to produce a cutoff in
the light beam produced,

wherein the exit lens comprises a set of ~~arrangements~~ protuberances produced in at least
one side part of the exit surface of the lens, each arrangement being able to divert in a given
direction a part of the light signals encountering this ~~arrangement~~ protuberance, the ~~said~~
~~arrangements~~ protuberances being produced on the side parts of the exit surface of the exit lens.

Claim 2 (original): A projection device according to claim 1, wherein the diversion
directions are directions situated above the cutoff.

Claim 3 (currently amended): A projection device according to claim 1, wherein each
~~arrangement~~ protuberance is able to divert some of the light signals encountering this
~~arrangement~~ protuberance in a direction corresponding to a gantry point.

Claim 4 (canceled).

Claim 5 (currently amended): A projection device according to claim ~~[[4]]~~ 1, wherein the protuberance has a thickness of between 0.2 millimeters and 3 millimeters, ~~in particular between 0.2 millimeters and 2 millimeters, or between 0.5 millimeters and 1 millimeter.~~

Claim 6 (currently amended): A projection device according to claim 1, wherein the exit lens comprises at least two distinct ~~arrangement~~ protuberance able to divert some of the light signals in distinct given directions.

Claim 7 (currently amended): A projection device according to claim 1, wherein the exit lens comprises at least two distinct ~~arrangements~~ protuberances in each of its side parts, ~~and in particular four arrangements or six arrangements.~~

Claim 8 (currently amended): A projection device according to claim 1, wherein the exit lens comprises four, six or twelve distinct ~~arrangements~~ protuberances.

Claim 9 (currently amended): A projection device according to claim 1, wherein the exit lens comprises several ~~arrangements~~ protuberances able to divert some of the light signals in the same given direction.

Claim 10 (currently amended): A projection device according to claim 1, wherein each ~~arrangement~~ protuberance produced in the exit surface of the exit lens has an end situated at the periphery of the exit lens, ~~or in the immediate vicinity of the periphery of the exit lens.~~

Claim 11 (currently amended): A projection device according to claim 1, wherein the ~~arrangements~~ protuberances produced in the exit surface of the exit lens are disposed on the exit surface of the exit lens symmetrically with respect to a vertical axis of the exit lens.

Claim 12 (currently amended): A projection device according to claim 1, wherein at least one of the ~~arrangements~~ protuberances is produced in the form of a ~~serration~~ flute.

Claim 13 (original): An automobile equipped with a projection device according to claim 1.

Claim 14 (new): A projection device according to claim 1, wherein the exit surface comprises

a central part disposed at least partially within the vertical plane defined by the optical axis, and

first and second side parts, the side parts being disposed on opposing sides of the vertical plane, and

wherein the protuberances are produced solely on these side parts.

Claim 15 (new): A projection device according to claim 5, wherein the protuberance has a thickness of between 0.2 millimeters and 2 millimeters.

Claim 16 (new): A projection device according to claim 15, wherein the protuberance has a thickness of between 0.5 millimeters and 1 millimeter.

Claim 17 (new): A projection device according to claim 7, wherein the exit lens comprises at least four distinct protuberances in each of its side parts.

Claim 18 (new): A projection device according to claim 17, wherein the exit lens comprises at least six distinct protuberances in each of its side parts.

Claim 19 (new): A projection device according to claim 1, wherein each of the protuberances produced in the exit surface of the exit lens has an end situated in an immediate vicinity of a periphery of the exit lens.

Claim 20 (new): A projection device adapted to produce a set of light signals, the device comprising:

a light source adapted to emit light;

a reflector disposed to receive and reflect light generated by the light source to form a light beam having an optical axis;

an exit lens disposed in the path of the light beam, the lens having an entry surface facing the light source and an opposing exit surface, the exit surface having central part disposed at least partially within a vertical plane defined by the optical axis, and first and second side parts, the side parts being disposed on opposing sides of the vertical plane, and

a shield disposed between the reflector and the exit lens in order to produce a cutoff in the light beam produced,

wherein the exit lens further comprises a plurality of modified surface regions having tangent planes that differ from adjacent surfaces of the lens, the modified surface regions being produced on at least one of the side parts of the exit surface of the lens, each of the modified surface regions being able to divert in a given direction a part of the light signals encountering this modified surface region.

Appl. No. 10/603,288

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Reply to Office Action dated October 1, 2004

Amendments to the Drawings:

The attached 1 sheet(s) of drawings reflect changes to Figure(s) 1 and 2 and replace the original sheet(s) of these Figure(s).

Attachments: Replacement Sheet(s)

 Annotated Sheet(s) Showing Changes